

CLAIMS

We claim:

1 1. A child car seat for transporting a child, the car seat
2 comprising:

3 a seat portion, said seat portion being adapted to seat the
4 child therein, said seat portion having a seat back, two side
5 edges, a top end, and a bottom end;

6 a fastening means for fastening the car seat to an automobile
7 seat and to an airplane seat;

8 a harness, said harness being attached to said seat portion
9 and retaining the child in said seat portion, said harness, said
10 seat portion, and said fastening means being adapted to protect the
11 child in the event of a sudden acceleration;

12 a pull handle, said pull handle being rigid and having two
13 slide tubes and an extension portion, each of said slide tubes
14 being attached to said seat back, said extension portion being
15 generally U-shaped and having two telescoping tubes and a cross
16 bar, each of said telescoping tubes mating with one of said slide
17 tubes, said cross bar having two ends, and each of said ends of
18 said cross bar being attached to one of said telescoping tubes,
19 such that said extension portion has a retracted position and at
20 least one extended position; and

21 (e) a roller assembly attached to said seat portion proximate
22 said bottom end and to said seat back, said roller assembly
including two rollers and at least one axle, each said roller being

24 located proximate to one of said side edges, each said roller
25 having a wheel portion, each said wheel portion being rotatable
26 about said axle, said car seat being adapted to roll along a
27 surface on the rollers when pulled by the handle in said extended
28 position, the weight of the child being distributed between said
29 rollers and said pull handle when rolling.

1 2. The car seat according to claim 1, further comprising a
2 stabilizer, said stabilizer being pivotally attached to said roller
3 assembly, said stabilizer having a stabilizing position and a
4 folded position, said stabilizer in said stabilizing position being
5 adapted to prevent said rollers from contacting a surface
6 supporting the car seat.

1 3. The car seat according to claim 2, wherein said
2 stabilizer is attached to said at least one axle, and said
3 stabilizer when in the folded position is adjacent to the bottom
4 end of said seat.

5 4. The car seat according to claim 3, wherein said stabilizer
6 is releasably lockable relative to said car seat in said
7 stabilizing position and said folded position.

1 5. The car seat according to claim 4, wherein said roller
2 assembly has at least one wheel portion extending outboard of a
3 corresponding said side edge of said car seat;
4 said wheel portion having a telescoping axle;
5 said telescoping axle having an outer section and an inner
6 section;
7 said outer section having an outer end having a button and a
8 spacer adjacent to said corresponding side edge;
9 said wheel portion being attached to said outer axle section
10 between said button and said spacer;
11 said telescoping inner and outer axle portions having a
12 parting biasing spring therein;
13 said stabilizer being pivotally attached to said outer axle
14 section;
15 said spacer having a tab; and
16 said stabilizer having a lock so shaped and dimensioned as to
17 interlock with said tab;
18 whereby, upon pressing inward on said button, said biasing
19 spring is compressed, allowing said stabilizer to pivot; and
20 whereby, upon releasing said button, said stabilizer is locked in
21 place by means of interlocking said tab and said lock.

1 6. The car seat according to claim 1, wherein said seat
2 portion includes a canopy, and said canopy is attached to the top
3 end of said seat back.

1 7. The car seat according to claim 1, wherein said harness
2 includes a harness bar, said harness bar being padded and having
3 two ends, each said end of said harness bar being attached to one
4 of said side edges of said seat portion.

1 8. The car seat according to claim 1, wherein said seat
2 portion includes a footrest.

1 9. The car seat according to claim 1, wherein each said
2 roller includes at least one axle support, and said axle is fixedly
3 attached to said axle supports.

1 10. The car seat according to claim 9, wherein each axle
2 support is fixedly attached to said seat portion.

1 11. The car seat according to claim 10, wherein each said
2 roller includes two axle supports, said axle supports being so
3 located that each said roller is inboard of each corresponding side
4 edge.

1 12. The car seat according to claim 1, wherein said means for
2 fastening said car seat to an automobile seat or an airplane seat
3 is a fastening aperture extending through said seat back.

1 13. A wheeled frame for attachment to a standard child car
2 seat for transport of a child comprising:

3 a generally rectangular lower frame having tubular uprights,
4 an upper cross member, and a lower frame cross member;

5 an upper handle frame having upright members and an upper
6 cross member;

7 said handle frame upright members being slidably engaged with
8 said lower frame tubular uprights between at least a first position
9 and a second position;

10 said lower frame cross member having wheels at opposing ends
11 thereof;

12 said lower frame tubular uprights having respective clamps
13 disposed therealong; and

14 said lower frame cross member having at least one horizontally
15 disposed support plate mounted thereon and extending forward of
16 said lower frame;

17 said lower frame and said support plate being so sized and
18 configure as to securely receive a standard car child seat;

19 whereby said car child seat is supportable on said wheeled
20 frame support plate and secured to said lower frame tubular
21 uprights by fastening said clamps to the back portion of said child
22 car seat, said wheels supporting said wheeled frame and child car
23 seat for transport of a child.

1 14. The wheeled child seat frame of claim 13, wherein said
2 lower frame tubular uprights extend upward beyond said upper cross
3 member and are open at respective open ends thereof so as to
4 receive said handle frame uprights for telescoping movement of said

5 handle frame relative to said lower frame between said at least
6 first and second positions said first position being a stored
7 position and a said second position being a deployed position for
8 grasping by a user when transporting a child.

1 15. The wheeled child seat frame of claim 14, said lower
2 frame cross member having downwardly curved extensions at each end
3 thereof and extending beyond respective said lower frame uprights,
4 said wheels being mounted upright on said respective curved
5 extensions.

1 16. The wheeled child seat frame of claim 15, said curved
2 extensions being right angle bends.

1 17. The wheeled child seat frame of claim 16, said wheels
2 having respective supporting wheel housings for attachment to
3 respective ends of each of said downwardly curved extensions.

1 18. The wheeled child seat frame of claim 17, wherein said
2 wheels are spaced so as provide maximum resistance to sideways
3 tipping while allowing said child seat frame to travel along a
4 standard passenger aircraft aisle.

1 19. The wheeled child seat frame of claim 18, said lower
2 frame cross member having two horizontally disposed support plates
3 mounted thereon and extending forward of said lower frame, said

4 support plates being mounted inward of said lower frame tubular
5 uprights and spaced from each other, respectively.

1 20. The wheeled child seat frame of claim 19, wherein each
2 said clamp is mounted on its respective lower frame tubular upright
3 at points corresponding with seatbelt through-holes of a standard
4 child seat, whereby upon securing each said clamp around its
5 respective seatbelt through-hole, said child seat is secured to
6 said lower frame.